

Cleaning the Spare Chiller

Cleaning the spare chiller is necessary if it has been used to cool the SVX circuit due to the possibility of cross contamination of the ISL system with ethylene glycol. Basically there are three parts to the draining process.

- ___ 1) Draining the reservoir
 - ___ a) Attach a drain hose to the end of valve CHT-MV-08.
 - ___ b) Open CHT-MV-10 and CHT-MV-08 to drain into a waste drum.
 - ___ c) Using nitrogen pressurize through CHT-MV-10 to 10-15 psig.
 - ___ d) Close valve CHT-MV-08 when no more liquid comes out.
 - ___ e) Keep the reservoir pressurized.
- ___ 2) Draining the chiller
 - ___ a) Disconnect the ½" black poly tube from SPR_MV-1992-W to the deionizer at the deionizer and route it to a waste barrel.
 - ___ b) Open valve SPR-MV-1992-W at chiller discharge line. (Lowest point on chiller.)
 - ___ c) Then open valve SPR-MV-3301-W (Below storage reservoir). Be sure to check the valves on the chiller skid for trapped volumes and open as needed (isolation or by-pass valves).
- ___ 3) Draining the test stand
 - ___ a) Attach a drain hose to the drain valve at the lowest point right in front of the heater (LOAD) of the test stand and open the valve.
 - ___ b) Open valve CHT-MV-02.
 - ___ c) Close all draining valves when fluid stops for pressure to build and let water trickle down for five minutes.
 - ___ d) Then reopen drain valves and watch for fluid. And repeat last two steps as needed.
 - ___ e) When done close all drain valves, remove hoses, and return all valves to original positions.
- ___ 4) Refill the whole system with distilled water and run the spare chiller on the test load for 10 minutes and repeat steps 1, 2 & 3.
- ___ 5) Refill the spare chiller system with distilled water again and circulate for 10 minutes.

The spare chiller system is now ready for monthly testing and/or use in a backup role.

Date/Time _____

Name _____

Signed _____